Work Order Thursday, October	r ID 92289 r 25, 2012 1:42:42 PM		*922	289*	Sk	lip	Fride	ey	Page 1	
Revision ID:	0412-705-015 Driveshaft Tunnel Modification		Accept	*N900	04010 0)* s	Setup Start	171	S1*	
	0/25/2012 Start Qty: 1.00	*1* *1*		Cust Item I Customer:	D:		•	"IN	S2*	
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Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Finish

Folio

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Work Ord Thursday, Octo				*922	289*							Page
Item ID: Revision ID:	D412-705-0	015		Accept	*N900	040	100	ገ* ፡	Setup Sta	art 🛨	NS	;1*
Item Name:	Driveshaft Tu	unnel Modification							St	op 🛧	NS	:2*
Start Date: Required Date	10/25/2012 e: 10/26/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item I	ID:						
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Packaging			pack for shipping as per	PPP D412-705-								

140

QC21- Final Inspection - Work Order Release

015Location:

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PPP Rev:

140

QC Quality Control

Memo

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Work Order ID:

92289

Parent Item:

D412-705-015

Parent Item Name:

Driveshaft Tunnel Modification

Start Date: 10/25/2012

Required Date: 10/26/2012

Start Qty: 1.00

Required Qty: 1.00

IPP Rev:B Removed Manufacturing 06-10-03 JLM IPP Rev:C ECN 1052 07-11-05 DD verified by:EC Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total "Qty	Qty Issued	Date Issued	Status
Bolt		Purchased	No	· · · · · · · · · · · · · · · · · · ·		120	Each	532.0000	222	22	~ g !	3	
				Location		Loc Qty	<u>L</u>	oc Code			V		
				GA		38							
				118	352	38							
				ST350		494							
				120	187	1			-				
				122		113			12	214)			
				123	203	380				<u> </u>			
AN3C4A BOLT		Purchased	No			120	Each	1,222.0000	3	3	70		
				Location		Loc Qty	<u>L</u>	oc Code			•		
				ST350		1222							
				120	187	31							
				120:		28							
				120	769	38							
				1212	205	61							
				121:		8							
				122		2							
				1224		4					- 2		
A				1228		920			12:	7814			
				1230	021	130					,		
D3256-0 Panel		Manufactured	No			120	Each	1.0000		1 "	Jb	12/	10/26
				Location		Loc Qty	<u>L</u>	oc Code			U	•	/
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				8912	25	1			8	9125			

										DQA:	Date:	
NCR: Yes	s / No				WORK ORDER NON-	COI	NFORM	MANCE / UP	DATE			
			·							QA Closed:	Date:	
Work Order:					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part No.					Rework Scrap			Skid-tube Machining	Crosstube Small Fab	-1	Water Jet d. Eng. Coor.	Engineering Quality
NCR No.					Use-as-is Work Order Update	}	inern	noforming Large Fab	Finishing Composite	Rec/Stoi	re/Packaging Supplier	Other
Root				Descr	iption of work order update		Initial	Ac	tion	Sign &		
Cause	Date	Step	Qty	9	or Non-conformance	Ch	nief Eng	Desc	ription	Date	Verification	QC Inspector
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Operator]											
Material												
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Other]											
Process	1			,								
Supplier												
Training											:	
Unapproved				- :								
			1		F	AUI	LT CATE	GORY				
Landing	Gear				General		_			_		_
	Bending				Bend		Grain			Ovalized		Pressure/Forced
	Centre N	ot Concei	ntric to	o/s	BOM/Route		Hardwa	ire		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged		Inspect	ion Incomplete		Part Incorre	ct	Weld
	Crushed/	Crimped.			Burrs		Instruct	tions Incomplete/	'Unclear	Part Lost/M	issing	Wrong Stock Pulled

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Positioned Wrong

Power Loss/Surge

Other

Part Moved

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Inspection Strip in Tube

Torque Waves in Extrusion

Cuffs

Heat Treat

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

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Picklist Print

Thursday, October 25, 2012 1:42:41 PM

Page 2

Work Order ID:

92289

Parent Item:

D412-705-015

Parent Item Name:

Driveshaft Tunnel Modification

Start Date: 10/25/2012

Required Date: 10/26/2012

Start Qty: 1.00

Required Qty: 1.00

No Manufactured

120

Loc Oty

Loc Qty

1840

1840

2

2

Each

Each

1.0000

Loc Code

Loc Code

Purchased

No

Location

Location

GA

ST318

ST335

ST176

120

Each

1,855.0000

Purchased

Purchased

No

No

123021

123352

120930

3 3 12 12

120

120

Each

225.0000

22

Location Loc Qty ST303 95 120142 95 ST316 128 123280 128

ST319 122141

380.0000

Loc Code

12/10/26

Location	Loc Qty	Loc Code
ST296	380	
119546	50	
120142	2	
121524	1	
122141	327	

122141

		107								DQA:	Date	:
NCR: Y	es / No	•			WORK ORDER NON-C	CON	IFORM	AANCE / UPI		O A Classical	D-1-	
				100						QA Closed:	Date	
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WOIN OTHE					Rework	1 I		Skid-tube	Crosstube		Water Jet	Engineering
Part N	0.				Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
					Use-as-is	1		noforming	Finishing		e/Packaging	Other
NCR N	0.				Work Order Update	1		Large Fab	Composite		Supplier	1 . 🗇
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Operator												
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Setup												
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Process	_											
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Unapproved		<u>l</u>										
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Landin F	\neg				General Bend		Grain			Ovalized	Г	Pressure/Forced
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	Crushed/	Crimped		-	Burrs	_		ions Incomplete/	Unclear	Part Lost/M		Wrong Stock Pulled
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<u> </u>	Heat Trea	nt		—	Countersink	\vdash	Mislabe			Positioned \	Vrong	
	Inspectio		Tube		Cut Too Short	_	Misrea			Power Loss/		Other
110	Ripples in				Drill Holes	\vdash	Offset		<u> </u>	.;		
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Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Finish

Folio

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DART AEROSPACE LTD.



IIN-D412-705

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5.0 PARTS LIST

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Part Number	Description
Х		7 - 2					D412-705-011	TWIN PAK E-Z ACCESS KIT
1	X						D412-705-013	INTAKE PLENUM ACCESS PANEL KIT
1	 ^ -	X					D412-705-015	DRIVESHAFT TUNNEL MODIFICATION KIT
$\vdash_{\overline{1}}$			Х				D412-705-017	N1 GEARBOX ACCESS PANEL KIT
1				Х			D412-705-019	C-BOX OIL COOLER LINE SUPPORT ACCESS KIT
1					х		D412-705-021	OIL PRESSURE TRANSMITTER ACCESS KIT
1						Х	D412-705-023	OIL COOLER SUPPORT REMOVABLE LOWER PANEL KIT
	1						D3245-041	ACCESS PANEL ASSEMBLY, LH
	1						D3245-042	ACCESS PANEL ASSEMBLY, RH
	2						D3245-043	DOOR ASSEMBLY
	2						D3245-9	GASKET
	2						D3245-11	GASKET
	2						D3245-13	GASKET
			1				D3255-041	ACCESS PANEL ASSEMBLY, LH
			1				D3255-042	ACCESS PANEL ASSEMBLY, RH
		/1	-				D3256-1	-ACCESS PANEL
		1			33,3149,339		-D3256-3	GASKET
		AND THE PERSON NAMED IN	ARTHUR PROPERTY	1		AT SURVINE CONTRACTOR	D3259-041	ACCESS PANEL ASSEMBLY, LH
				1			D3259-042	ACCESS PANEL ASSEMBLY, RH
					1		D3307-041	ACCESS PANEL ASSEMBLY
						30	_AN3-3A	BOLT
		C22 _	30	* *	6		AN3C-3A	BOLT
		ß					-AN3G-4A	BOLT
		-				30	_AN960JD10	WASHER
	16	144	36		12		MS20427M3-3/	RIVET
			· · · · · · · · · · · · · · · · · · ·			2	_MS21051-L3K	-NUT PLATE
	8	/22	18		6		MS21060-L3K	-NUT PLATE
		V SAMEON CO.	. soften .			18	MS21069-L3K	NUT PLATE
		125	30		6		-MS9321-09	WASHER

Marc Bellavance

From:

David Shepherd <dshepherd@dartaero.com>

Sent: To:

Friday, October 26, 2012 4:42 PM 'Mike Petsche'; 'Chris Provencal'

Cc:

'Marc Bellavance'; 'L Lacelle'

Subject:

RE: Drive shaft tunnel gasket change RE: lead time for d412-705-015 (20.6 KB)

Follow Up Flag:

Attachments:

Follow up

Flag Status:

Completed

The original approval email is attached. CHG 005 makes sense to me as well.

David

From: Mike Petsche [mailto:mpetsche@dartaero.com]

Sent: October-26-12 11:57 AM

To: Chris Provencal

Cc: David Shepherd; Marc Bellavance; L Lacelle Subject: Re: Drive shaft tunnel gasket change

I think that all makes sense Chris.

Thanks

Sent from my iPhone

On 2012-10-26, at 1:53 PM, "Chris Provencal" <cpre><cpre>cprovencal@dartaero.com wrote:

We're sending out D412-705-015. The w/o is currently calling up CHG 003. The change record has the latest CHG # at CHG 004 (11.11.10 for the soon to be superseded D3256 Rev. D, see attached). Ignoring that mix-up, I'm assuming the rev of this kit should be CHG 005 (for G-89 mat'l on soon to be released D3256 Rev. E).

I'm going to mark up the kit w/o accordingly unless somebody says otherwise.

-Chris

From: Mike Petsche [mailto:mpetsche@dartaero.com]

Sent: Friday, October 26, 2012 1:42 PM

To: Chris Provencal Cc: David Shepherd

Subject: Re: Drive shaft tunnel gasket change

Marc should have an email from david somewhere saying this stuff is ok. It was about two weeks ago I

think.

Come to think of it Melanie might have it too.

Sent from my iPhone

On 2012-10-26, at 1:36 PM, "Chris Provencal" < cprovencal@dartaero.com > wrote:

David,

Dwg D3256-3 Gasket for kit D412-705-015, the want to ship out a kit with the new 0.060" G-89 mat'l. Everyone is telling me this is OK, I just checked Marc's dwg with this update, but I can't sign off the kit without authorization from you that everything is good, flame tested, etc.

I'm assuming the change number will increase because of this change.

-Chris

<Pages from 705.pdf>

Marc Bellavance

From:

David Shepherd <dshepherd@dartaero.com>

Sent:

Monday, October 15, 2012 12:14 PM

To:

'Mike Petsche'

Subject:

RE: lead time for d412-705-015

Mike,

It is acceptable to use the ThermoChem G89 in place of the Durabla Black for the D3256-3 Gasket that is used in the D412-705-015 Driveshaft Tunnel Kit.

David

From: Mike Petsche [mailto:mpetsche@dartaero.com]

Sent: October-15-12 7:47 AM

To: 'David Shepherd'

Subject: FW: lead time for d412-705-015

Importance: High

David

Could you write me a little email saying it;'s ok to swap that insulation stuff for the stuff from the driveshaft tunnel

le: Replace the Durablack with the Thermo chem G89

They want to ship another order

Thanks

(And Marc is working on the dwg update)

From: Linda Lacelle [mailto:llacelle@dartaero.com]

Sent: Monday, October 15, 2012 9:00 AM **To:** 'Marc Bellavance'; 'Petsche, Mike'

Cc: rmolnar@dartaero.com

Subject: RE: lead time for d412-705-015

Importance: High

We received the order, so can we ship??

From: Marc Bellavance [mailto:mbellavance@dartaero.com]

Sent: October-12-12 2:26 PM

To: Petsche, Mike **Cc:** Lacelle, Linda

Subject: FW: lead time for d412-705-015

Mike, the Kits for Falcon were shipped, this one is for another customer...

Can you get David's blessing or is it best to hold off until end of next week once we have revised and approved

drawings?

From: Linda Lacelle [mailto:llacelle@dartaero.com]

Sent: Friday, October 12, 2012 2:23 PM

To: 'Marc Bellavance'

Subject: RE: lead time for d412-705-015

Yes, this is for a new request

From: Marc Bellavance [mailto:mbellavance@dartaero.com]

Sent: October-12-12 1:11 PM

To: 'Linda Lacelle'

Subject: RE: lead time for d412-705-015

They weren't shipped yet?

Mike signed off mat'l changed on the W/O's...

From: Linda Lacelle [mailto:llacelle@dartaero.com]

Sent: Friday, October 12, 2012 12:48 PM

To: Marc Bellavance

Subject: FW: lead time for d412-705-015

Can we ship these now?

From: Alison Bates [mailto:abates@darths.com]

Sent: October-12-12 11:40 AM

To: Linda Lacelle **Cc:** 'Fauteux, Melanie'

Subject: lead time for d412-705-015

Please advise

Alison Bates Customer Support Representative

Sales

W: 613.632-3336

F: 613.632.4443 email@darths.com

www.darthelicopterservices.com

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Subject: RE: lead time for d412-705-015

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Subject: lead time for d412-705-015

Please advise

Alison Bates Customer Support Representative

Sales



W: 613.632-3336 F: 613.632.4443 email@darths.com

www.darthelicopterservices.com

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